1982

This is what they are authorized for.

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Before wahing can take place, any remaining heel of product is pumped out and stored in the Product Storage Tanks, T-10, T-11 and T-12, or the Stripped Oil Settling Tank, T-7 (See attached flowsheet). The pumping (called stripping) is done by a portable air-operated pump which uses a flexible hose to reach into the barges' tank sumps. On the average, a barge has 3 to 6 tanks with 50 gallons of heel in each tank sump. Periodically the Product Storage and Stripped Oil Settling Tanks are emptied into trucks and the contents sold for fuel or chemical use. About one barge in 20 requires stripping before washing begins.

Each tank in a barge is washed with a Butterworth machine which projects a rotating spray of wash water throughout the tank. Cold high pressure water sprays are usually sufficient to clean tanks to enable repair work to begin. However, for viscous liquids, such as crude oil or No. 6 fuel oil, hot water is usually required to assure cleanliness. A fire-tube diesel oil-fired heater, H-1, provides the hot water. Water for the water heater and for washing comes from a well on site or from a fresh water pond on site.

Water consumption is reduced by recycling. Clean water recycles through the Water Recycle Tank, T-6. Oil and dirty water recycles through the new system consisting of an oil/water gravity separator, two 1000 barrel tanks and one 5000 barrel tank. The separator is a totally enclosed box and uses corrugated inclined plates to separate oil and heavy sludges from the circulating wash water. The tanks store re-used water for up to 90 days, after which the water is removed from the site by road trucks or barge for disposal.

Oil skimmed from the water in the separator flows by gravity into the Slop Oil Tank, T-15. When the Slop Oil Tank is full the contents are sold as fuel and transported from the plant site in tank trucks.

Residual water in barges' tanks contains rust particles, scale and sludge which must be removed by vacuum. Two vacuum pumps provide suction through a flexible hose to pump out the water remaining in the tanks and separate out the solids and sludge in settling tanks. One settling system consists of an inclined Solids K.O. Pot, T-5, together with a horizontal Wash Water Vacuum Tank T-4. The new system of improved design consists of a vertical tank T-13 and a horizontal tank T-14. Water from the vacuum tanks goes to the oil/water separator and then to the wash water storage tanks, T-16, T-17, and T-18 for re-use and eventual disposal.

3. METHOD OF CALCULATION

The calculation of emissions from the equipment at the Fish Freeport Marine Facility followed the methods laid down in "Compilation of Air Pollutant Emission Factors", 3rd. Edition, AP-42, published by the U.S. Environmental Protection Agency. Breathing and working losses were calculated for each storage tank, and for the oil/water separator the only loss calculated was the breathing loss since the level in the separator remains constant. Emissions from the diesel oil-fired water heater were calculated using distillate oil fired industrial boiler factors with heat input rates between 15 and 250 million Btu per hour.

In accordance with the Partial Stay of Regulations published by the U.S. Environmental Protection Agency in the Federal Register, Volume 46, No. 242, Thursday, December 17, 1981, the emissions from the barges have not been included in the total facility annual emissions.

Calculations of emissions from storage tanks and truck loading were made for the worst case in each instance and then adjusted to approach more nearly the actual expected operating conditions. The table on the following page lists the worst case results using gasoline (RVP= 13.0 psi) for the most volatile hydrocarbon handled. Since in fact gasoline and other volatile hydrocarbons and chemicals represented a minor portion of the cargoes transported by the barges washed at the Marine Facility, these results were recalculated using a weighted vapor pressure reflecting the actual historical mix of cargoes rather than the high vapor pressure of the worst case. The recalculated results are listed in Section 5 of this Exhibit I.

Truck loading emissions were estimated assuming that about 20 minutes are required to load 1000 gallons into a truck.

SUMMARY OF ANNUAL STORAGE TANK AND TRUCK LOADING EMISSIONS - WORST CASE

SOURCE	CONTENTS	LB/YR
T-1	Diesel Oil	15.4
T-2	Diesel Oil	30.9
T-3	Water	-
T-4	Water	-
T-5	Water	-
T-6	Acetone/Water	1028
T-7	Gasoline	7141.5
T-8	Gasoline	1667.3
T-9	Gasoline	2321.5
T-10	MEK	505
T-11	MEK	528
T-12	MEK	522
T-13 (New)	Water	-
T-14 (New)	Water	-
T-15 (New)	Gasoline	5616
Oil/Water Separator (New)	Gasoline	245
T-16 (New)	Water	-
T-17 (New)	Water	-
T-18 (New)	Water	-

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TRUCK LOADING (GASOLINE)

E-1	Product Storage Tanks	840
E-3	Stripped Oil Settling Tank	583
E-2	Gasoline Storage Tanks	209
E-4	Slop Oil Tank	3184
		24436 = 12.21 tons/yr.

These are only compounds authorized unless they can show any standard exemption

4. TYPICAL MIX OF BARGE CARGOES FOR WASHING AT FREEPORT MARINE FACILITY

Period June 1980 to August 1981

CARGO	NUMBER OF BARGES
No. 6 fuel oil	23
No. 2 fuel oil	1
Crude Oil	3
Diesel oil	5
C_5 Oil	1
Oil Residues	1
C_9 Oil	1
Naphtha	3
Gasoline	2
Lactol Solvent (C_6-C_8)	1
Gasoline Additive	1
Silicate Oil	1
Catalytic Reformer Feed Oil	2
Gas Oil	1
Benzene	24
Xylene	4
Toluene	7
Cyclohexane	9
Cumene	1
Ethylbenzene	2
Styrene	3
Caustic Soda	8
Hydrochloric Acid	2
Sulphuric Acid	1
Fertilizer	1
Calcium Chloride	7
Ethylene Glycol	3
Diethylene Glycol	1
Polyalkylene Glycols	6
Methanol	1
Butanol	2
Niax Polyol	1
Chloroform	2
Perhloroethylene	1
Vinyl Chloride	1
Chlorine	4
Acetic Acid	5
Acetone	3
Methylethyl Ketone	2
Vinyl Acetate	1
Ballast Water	3
TOTAL	151

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Naphtha	3
Gasoline	2
Lactol Solvent (C_6-C_8)	1
Gasoline Additive	1
Silicate Oil	1
Catalytic Reformer Feed Oil	2
Gas Oil	1
Benzene	24
Xylene	4
Toluene	7
Cyclohexane	9
Cumene	1
Ethylbenzene	2
Styrene	3
Caustic Soda	8
Hydrochloric Acid	2
Sulphuric Acid	1
Fertilizer	1
Calcium Chloride	7
Ethylene Glycol	3
Diethylene Glycol	1
Polyalkylene Glycols	6
Methanol	1
Butanol	2
Niax Polyol	1
Chloroform	2
Perhloroethylene	1
Vinyl Chloride	1
Chlorine	4
Acetic Acid	5
Acetone	3
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Ballast Water	3
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APR 9 1982

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TEXAS AIR CONTROL BOARD

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JUN 11 1982
REGION 7
TEXAS AIR CONTROL BOARD

JUN 8 1982

Mr. G. J. Gill
Senior Vice President
FISH ENGINEERING AND CONSTRUCTION,
INCORPORATED
Post Office Box 22535
Houston, Texas 77027

Re: Permit Exemption X-3561
Barge Cleaning Facility
Freeport, Brazoria County

Dear Mr. Gill:

This is in response to your letter dated April 14, 1982, concerning the proposed construction of a barge cleaning facility. We understand that total emissions of volatile organic compounds will not exceed 17.4 tons per year.

Pursuant to Section 3.27(a) of the Texas Clean Air Act, I have determined to exempt your proposed facility from the permit procedures of this Agency because it will not make a significant contribution of air contaminants to the atmosphere if constructed and operated as described in your letter. You are reminded that regardless of whether a construction permit is required, this facility must be in compliance with all Rules and Regulations of the Texas Air Control Board at all times.

The issuance of this exemption is contingent upon the following conditions:

1. Nitrogen oxide emissions from Heater H-1 shall not exceed 0.16 lbs. $NO_x/10^6$ Btu heat input.

2. The firing duration of Heater H-1 shall not exceed 147 hours per year.

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3. A record shall be maintained to include the firing duration of Heater H-1, the number and capacity of barges cleaned and the type of material each barge contained. This record shall be made available to representatives of the Board upon request.

Thank you for providing the information necessary for our evaluation of your proposal. If you have further questions concerning this exemption, please contact Mr. Amba Mann of our Permits Division.

Sincerely,

[illegible] SIGNED BY
[illegible]

Bill Stewart, P.E.
Executive Director

cc: Mr. Sabino Gomez, M.P.H., Regional Supervisor, Bellaire
Dr. G. B. Brown, Jr., Acting Director, Brazoria County Health Department, Angleton

JUN 8 1982

Mr. G. J. Gill
Senior Vice President
FISH ENGINEERING AND CONSTRUCTION,
INCORPORATED
Post Office Box 22535
Houston, Texas 77027

Re: [redacted]
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ORIGINAL SIGNED BY
ELI BELL

Bill Stewart, P.E.
Executive Director

cc: Mr. Sabino Gomez, M.P.H., Regional Supervisor, Bellaire
Dr. G. B. Brown, Jr., Acting Director, Brazoria County Health Department, Angleton
bcc: MANN/caw, board, file, Compliance (FISH ENG X3561 #5)

C AM

If you have any questions or require any additional information please do not hesitate to contact our Dr. Richard T. Whitehead at this office.

Very truly yours,

FISH ENGINEERING & CONSTRUCTION, INC.

G. J. Gill
Senior Vice President

cc: Dr. G. B. Brown, Jr.
Acting Director
Brazoria County Health Department
Old Court House Building
Angleton, Texas 77515

Mr. Sabind Gomez, M.P.H.
Supervisor
Texas Air Control Board
5555 West Loop, Suite 300
Bellaire, Texas 77401

EXHIBIT I

INDEX

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T-12	MEK	522
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T-17 (New)	Water	-
T-18 (New)	Water	-

TRUCK LOADING (GASOLINE)

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Period June 1980 to August 1981

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No. 2 fuel oil	1	300
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Diesel oil	5	1500
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Oil Residues	1	300
C_9 Oil	1	300
Naphtha	3	900
Gasoline	2	600
Lactol Solvent (C_6-C_8)	1	900
Gasoline Additive	1	900
Silicate Oil	1	900
Catalytic Reformer Feed Oil	2	600
Gas Oil	1	300
Benzene	24	7200
Xylene	4	1200
Toluene	7	2100
Cyclohexane	9	2700
Cumene	1	300
Ethylbenzene	2	600
Styrene	3	900
Caustic Soda	8	2400
Hydrochloric Acid	2	600
Sulphuric Acid	1	300
Fertilizer	1	300
Calcium Chloride	7	2100
Ethylene Glycol	3	900
Diethylene Glycol	1	300
Polyalkylene Glycols	6	1800
Methanol	1	300
Butanol	2	600
Niax Polyol	1	300
Chloroform	2	600
Perhloroethylene	1	300
Vinyl Chloride	1	300
Chlorine	4	1200
Acetic Acid	5	1500
Acetone	3	900
Methylethyl Ketone	2	600
Vinyl Acetate	1	300
Ballast Water	3	900
TOTAL	151	

T&E 000201

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

AIR CONTAMINANT DATA						EMISSION POINT DISCHARGE PARAMETERS									
EMISSION POINT [1]		CHEMICAL COMPOSITION OF TOTAL STREAM		AIR CONTAMINANT EMISSION RATE		UTM COORDINATES OF EMISSION PT. [6]			STACK SOURCES [7]					AREA SOURCES [8]	
									HEIGHT ABOVE GROUND (ft)	HEIGHT ABOVE STRUCT. (ft)	EXIT DATA				
NUMBER	NAME	COMPONENT OR AIR CONTAMINANT NAME [2]	CONC. (%v) [3]	#/HR [4]	TONS/YR [5]	ZONE	EAST (meters)	NORTH (meters)			DIA. (ft)	VEL. (fps)	TEMP. (°F)	LENGTH (ft)	WIDTH (ft)
T-1	Tank	Diesel Oil		0.002	0.001										
T-2	Tank	Diesel Oil		0.004	0.002										
T-3	Tank	Water		-	-										
T-4	Tank	Water		-	-										
T-5	Tank	Water		-	-										
T-6	Tank	Wash Water		0.117	0.089										
T-7	Tank	Hydrocarbons		0.815	0.617										
T-8	Tank	Gasoline		0.190	0.144										
T-9	Tank	Gasoline		0.265	0.200										
T-10	Tank	Chemicals Hydrocarbons		0.058	0.044										
T-11	Tank	Chemicals Hydrocarbons		0.060	0.046										

GROUND ELEVATION OF FACILITY ABOVE MEAN SEA LEVEL - 10 feet.
TACB STANDARD CONDITIONS ARE 68° F AND 14.7 PSIA [RULE 131.01.00.001(55)]

General Instructions:

1. Identify each emission point with a unique number for this plant site, consistent with emission point identification used on plot plan, previous permits and Emissions Inventory Questionnaire. Limit emission point number to 8 character spaces. For each emission point use as many lines as necessary to list air contaminant data. Typical emission point names are: heater, vent, boiler, tank, reactor, separator, baghouse, fugitive, etc. Abbreviations are OK.
2. Typical component names are: air, H_2O, nitrogen, oxygen, CO_2, CO, NO_x, SO_2, hexane, particulate matter (PM), etc. Abbreviations are OK.
3. Concentration data is required for all gaseous components. Show concentration in volume percent of total gas stream.
4. Pounds per hour (#/HR) is maximum emission rate expected by applicant.
5. Tons per year (T/Y) is annual maximum emission rate expected by applicant, which takes into account process operating schedule.
6. As a minimum applicant must furnish a facility plot plan drawn to scale showing a plant benchmark, latitude and longitude correct to the nearest second for the benchmark, and all emission points dimensioned with respect to the benchmark as required by General Application, Form PI-I. This information is essential for calculation of emission point UTM coordinates. Please show emission point UTM coordinates if known.
7. Supply additional information as follows if appropriate:
   (a) Stack exit configuration other than a round vertical stack. Show length and width for a rectangular stack. Indicate if horizontal discharge with a note.
   (b) Stack's height above supporting or adjacent structures if structure is within 3 "stack heights above ground" of stack.
   (c) If emission point is a flare, show flare data on Table 8.
8. Normally used for fugitive sources. Show dimensions of a minimum size rectangle which will "enclose" all fugitive sources included in this emission point number.

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EMISSION SOURCES

DATE April 1982

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

AIR CONTAMINANT DATA						EMISSION POINT DISCHARGE PARAMETERS									
EMISSION POINT [1]		CHEMICAL COMPOSITION OF TOTAL STREAM		AIR CONTAMINANT EMISSION RATE		UTM COORDINATES OF EMISSION PT. [6]			STACK SOURCES [7]					AREA SOURCES [8]	
									HEIGHT ABOVE GROUND (ft)	HEIGHT ABOVE STRUCT. (ft)	EXIT DATA				
NUMBER	NAME	COMPONENT OR AIR CONTAMINANT NAME [2]	CONC. (%v) [3]	#/HR [4]	TONS/YR [5]	ZONE	EAST (meters)	NORTH (meters)			DIA. (ft)	VEL. (fps)	TEMP. (°F)	LENGTH (ft)	WIDTH (ft)
T-12	Tank	Chemicals Hydrocarbons		0.060	0.045										
T-13	Tank	Water		-	-										
T-14	Tank	Water		-	-										
T-15	Tank	Hydrocarbons		0.641	0.485										
T-16	Tank	Water		-	-										
T-17	Tank	Water		-	-										
T-18	Tank	Water		-	-										
E-1	Truck Load	Chemicals Hydrocarbons		32.000	0.073										
E-2	Truck Load	Gasoline		32.000	0.018										
E-3	Truck Load	Hydrocarbons		32.000	0.050										
E-4	Truck Load	Hydrocarbons		32.000	0.275										

GROUND ELEVATION OF FACILITY ABOVE MEAN SEA LEVEL - 10 feet.
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6. As a minimum applicant must furnish a facility plot plan drawn to scale showing a plant benchmark, latitude and longitude correct to the nearest second for the benchmark, and all emission points dimensioned with respect to the benchmark as required by General Application, Form PI-I. This information is essential for calculation of emission point UTM coordinates. Please show emission point UTM coordinates if known.
7. Supply additional information as follows if appropriate:
   (a) Stack exit configuration other than a round vertical stack. Show length and width for a rectangular stack. Indicate if horizontal discharge with a note.
   (b) Stack's height above supporting or adjacent structures if structure is within 3 "stack heights above ground" of stack.
   (c) If emission point is a flare, show flare data on Table 8.
8. Normally used for fugitive sources. Show dimensions of a minimum size rectangle which will "enclose" all fugitive sources included in this emission point number.

EMISSION SOURCES

DATE April 1982

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

AIR CONTAMINANT DATA						EMISSION POINT DISCHARGE PARAMETERS									
EMISSION POINT [1]		CHEMICAL COMPOSITION OF TOTAL STREAM		AIR CONTAMINANT EMISSION RATE		UTM COORDINATES OF EMISSION PT. [6]			STACK SOURCES [7]					AREA SOURCES [8]	
									HEIGHT ABOVE GROUND (ft)	HEIGHT ABOVE STRUCT. (ft)	EXIT DATA				
NUMBER	NAME	COMPONENT OR AIR CONTAMINANT NAME [2]	CONC. (%v) [3]	#/HR [4]	TONS/YR [5]	ZONE	EAST (meters)	NORTH (meters)			DIA. (ft)	VEL. (fps)	TEMP. (°F)	LENGTH (ft)	WIDTH (ft)
H-1	Water Heater	Particulates		2.33	0.171										
		SO_2		165.10	12.135										
		SO_3		2.33	0.171										
		CO		11.63	0.855										
		Hydrocarbons		1.16	0.085										
		NO_2		25.58	1.88										

GROUND ELEVATION OF FACILITY ABOVE MEAN SEA LEVEL 10 feet.
TACB STANDARD CONDITIONS ARE 68° F AND 14.7 PSIA [RULE 131.01.00.001(55)]

General Instructions:

1. Identify each emission point with a unique number for this plant site, consistent with emission point identification used on plot plan, previous permits and Emissions Inventory Questionnaire. Limit emission point number to 8 character spaces. For each emission point use as many lines as necessary to list air contaminant data. Typical emission point names are: heater, vent, boiler, tank, reactor, separator, baghouse, fugitive, etc. Abbreviations are OK.
2. Typical component names are: air, H_2O, nitrogen, oxygen, CO_2, CO, NO_x, SO_2, hexane, particulate matter (PM), etc. Abbreviations are OK.
3. Concentration data is required for all gaseous components. Show concentration in volume percent of total gas stream.
4. Pounds per hour (# /HR) is maximum emission rate expected by applicant.
5. Tons per year (T/Y) is annual maximum emission rate expected by applicant, which takes into account process operating schedule.
6. As a minimum applicant must furnish a facility plot plan drawn to scale showing a plant benchmark, latitude and longitude correct to the nearest second for the benchmark, and all emission points dimensioned with respect to the benchmark as required by General Application, Form PI-I. This information is essential for calculation of emission point UTM coordinates. Please show emission point UTM coordinates if known.
7. Supply additional information as follows if appropriate:
   (a) Stack exit configuration other than a round vertical stack. Show length and width for a rectangular stack. Indicate if horizontal discharge with a note.
   (b) Stack's height above supporting or adjacent structures if structure is within 3 "stack heights above ground" of stack.
   (c) If emission point is a flare, show flare data on Table 8.
8. Normally used for fugitive sources. Show dimensions of a minimum size rectangle which will "enclose" all fugitive sources included in this emission point number.

TABLE 6

BOILERS AND HEATERS

Type of Device:	Water Heater	Manufacturer:	F & T
Number from flow diagram:	H-1	Model Number:	TX-115841

CHARACTERISTICS OF INPUT

Type Fuel	Chemical Composition (% by Weight)	Inlet Air Temp °F (after preheat)	Fuel Flow Rate (scfm* or lb/hr) Average	Fuel Flow Rate (scfm* or lb/hr) Design Maximum
Diesel Oil		No Preheat	5,000 lb/hr	8,000 Lb/Hr.
		Gross Heating Value of Fuel (specify units)	**Total Air Supplied and Excess Air — Average**	**Total Air Supplied and Excess Air — Design Maximum**
		19,750 Btu/Lb	______ scfm* 25 % excess (vol)	______ scfm* 100 % excess (vol)

HEAT TRANSFER MEDIUM

Type Transfer Medium (Water, oil, etc.)	Temperature °F Input	Temperature °F Output	Pressure (psia) Input	Pressure (psia) Output	Flow Rate (specify units) Average	Flow Rate (specify units) Design Maximum
Water	Ambient	200°F	164 psia	164 psia	10.4 GPM	17.3 GPM

OPERATING CHARACTERISTICS

Ave. Fire Box Temp. at max. firing rate	Fire Box Volume ($ft.^3$), (from drawing)	Gas Velocity in Fire Box (ft/sec) at max firing rate	Residence Time in Fire Box at max firing rate (sec)
1300°F	19 2 cu. ft. approx.	--	1.82 sec.

STACK PARAMETERS

Stack Diameters	Stack Height	Stack Gas Velocity (ft/sec) (@Ave.Fuel Flow Rate)	Stack Gas Velocity (ft/sec) (@Max.Fuel Flow Rate)	Stack Gas Temp °F	Exhaust scfm
30"	10 ft.		21.4 ft/sec	600°F	6300

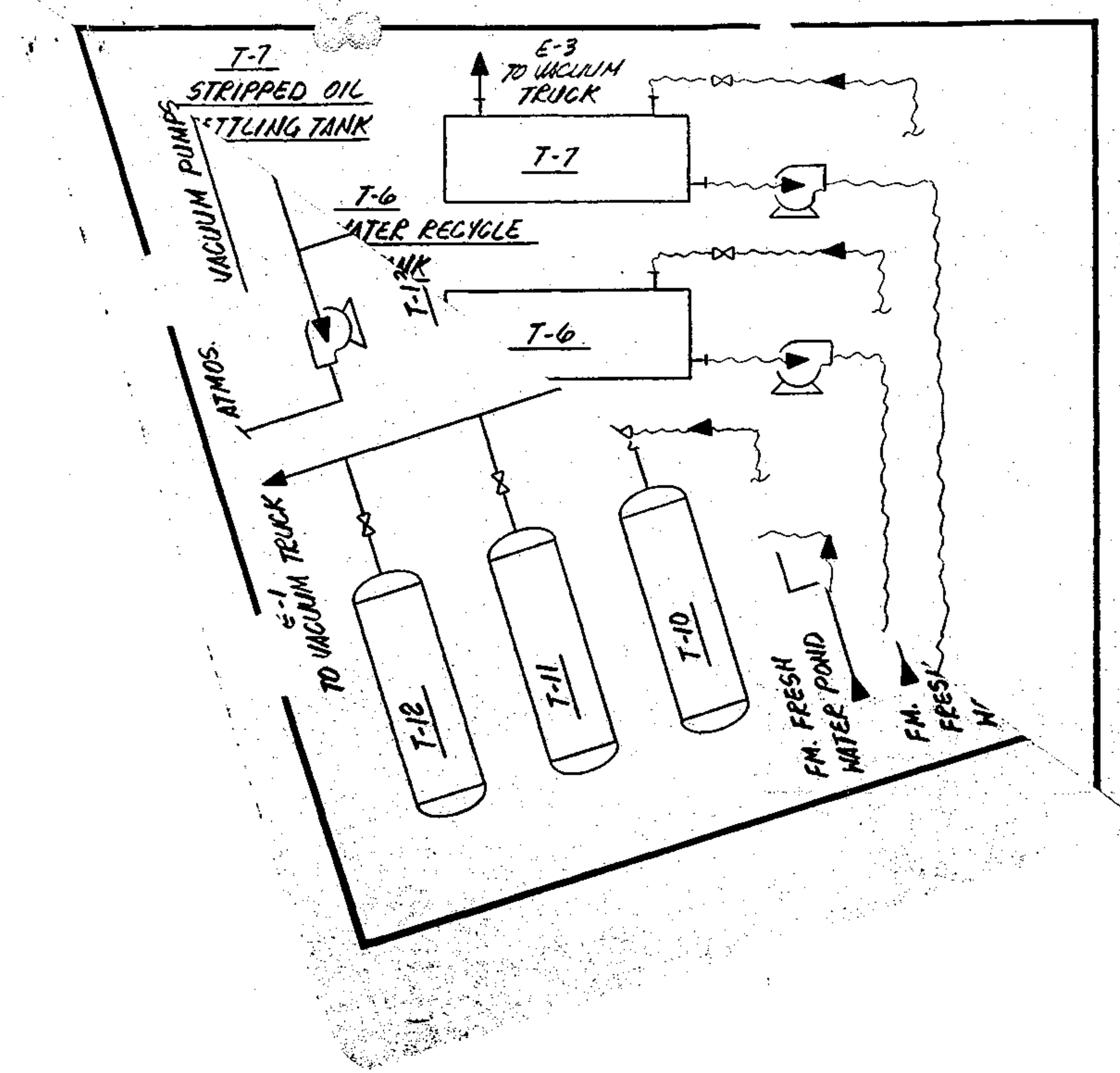
CHARACTERISTICS OF OUTPUT

Material	Chemical Composition of Exit Gas Released (% by Volume)	
Particulate	2.33 lb/hr	342 lb/yr
SO2	165.10	24270
SO3	2.33	342
CO	11.63	1710
Hydrocarbons	1.16	170
NO2	25.58	3760

*Attach an explanation on how temperature, air flow rate, excess air or other operating variables are controlled.

Also supply an assembly drawing, dimensioned and to scale, in plan, elevation, and as many sections as are needed to show clearly the operation of the combustion unit. Show interior dimensions and features of the equipment necessary to calculate in performance.

* Standard Conditions: 70°F, 14.7 psia


T-7
STRIPPED OIL
E-3
TO VACUUM TRUCK
T-7
VACUUM PUMPS
T-6
T-6
ATMOS.
E-1
TO VACUUM TRUCK
T-12
T-11
T-10
FM. FRESH WATER POND
FM. FRESH

T&E 000206

400000 3 9 1

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING AND CONSTRUCTION, INC.

2. TANK LOCATION: Freeport, Texas

3. TANK IDENTIFICATION (NUMBER OR NAME): T-1 Diesel Oil Day Tank

4. TANK CAPACITY: BARRELS ____ 1,008 GALLONS

5. TANK DIMENSIONS: DIAMETER 3'8" HEIGHT ____ LENGTH 12'0" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~XXXXX~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	Number	Pressure Setting	Vacuum Setting	Discharging to: (Check) Atmosphere	Vapor Control	Flare
Combination						
Pressure						
Vacuum						
Open	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: DIESEL OIL DENSITY: ____ LBS/GAL. (OR) 40 °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ____ LBS. REID (OR) 0.02 LBS. PER SQ. IN. ABSOLUTE AT 90 °F
    INITIAL BOILING POINT: ____ °F
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) ____ GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 2 FT
    AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: 20

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ____
    PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-2 Main Diesel Oil Storage Tank

4. TANK CAPACITY: ______ BARRELS   GALLONS 19,140

5. TANK DIMENSIONS: DIAMETER 10'7" HEIGHT 29'0" LENGTH ______ WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~OR BLUE~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE)
FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ]
FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Diesel Oil
DENSITY: ______ LBS/GAL. (OR) 40 °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
MINIMUM TEMPERATURE ____ °F   MAXIMUM TEMPERATURE ____ °F   Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
VAPOR PRESSURE: ______ LBS. REID (OR) 0.02 LBS. PER SQ. IN. ABSOLUTE AT 90 °F
INITIAL BOILING POINT: ______ °F
FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) ______ GALLONS PER HOUR
AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 5 FT
AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
TANK TURNOVERS PER YEAR: 2

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
IDENTIFY THE MATERIAL: ______
PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-3 Fresh Water Tank

4. TANK CAPACITY: BARRELS ______ GALLONS 22,400

5. TANK DIMENSIONS: DIAMETER 15'3½" HEIGHT 16'0" LENGTH ______ WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY OR ~~BLUE~~ XXXX [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	Number	Pressure Setting	Vacuum Setting	Discharging to: (Check) Atmosphere	Vapor Control	Flare
Combination						
Pressure						
Vacuum						
Open	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water DENSITY: 8.34 LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ______ °F MAXIMUM TEMPERATURE ______ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: ______ LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT ______ °F
    - INITIAL BOILING POINT: ______ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) ______ GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ______ FT
    - AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: ______

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    - CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ______
    - PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-4 Wash Water Vacuum Tank

4. TANK CAPACITY: BARRELS ____ GALLONS 11,770

5. TANK DIMENSIONS: DIAMETER 7'0" HEIGHT ____ LENGTH 36'0" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~OR BLUE~~ XXXXX [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [ ] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [X] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

None

	Number	Pressure Setting	Vacuum Setting	Discharging to: (check) Atmosphere	Vapor Control	Flare
Combination						
Pressure						
Vacuum						
Open						

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water DENSITY: 8.34 LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: ____ LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT ____ °F
    - INITIAL BOILING POINT: ____ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) ____ GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ____ FT
    - AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: ____

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    - CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ____
    - PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-5 Solids Knockout Pot

4. TANK CAPACITY: BARRELS ____ GALLONS 1,000

5. TANK DIMENSIONS: DIAMETER 5'0" HEIGHT ____ LENGTH 6'8" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] YELLOW ~~XXXXXXXXXXXXX~~ [ ] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [X] FAIR [ ] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [ ] PRESSURE [X] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

None

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN						

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water
    DENSITY: ____ LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
    MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ____ LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT ____ °F
    INITIAL BOILING POINT: ____ °F
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) ____ GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ____ FT
    AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: ____

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ____
    PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-6 Water Recycle Tank

4. TANK CAPACITY: BARRELS ____ GALLONS 19,323

5. TANK DIMENSIONS: DIAMETER 10'6" HEIGHT ____ LENGTH 29'6" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~XXXXXX~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ]
(CHECK ALL APPLICABLE) FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	Number	Pressure Setting	Vacuum Setting	Discharging to: (Check) Atmosphere	Vapor Control	Flare
Combination						
Pressure						
Vacuum						
Open	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Wash Water
DENSITY: 8.34 LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
VAPOR PRESSURE: ____ LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT ____ °F
INITIAL BOILING POINT: ____ °F
FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) 3300 GALLONS PER HOUR
AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 2 FT
AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
TANK TURNOVERS PER YEAR: 20

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
NAME OF SOLVENT: Water NAME OF MATERIAL DISSOLVED: Hydrocarbons, Chemicals
CONCENTRATION OF MATERIAL DISSOLVED: 0.1 % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
IDENTIFY THE MATERIAL: ____
PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-7 Stripped Oil Settling Tank

4. TANK CAPACITY: ______ BARRELS 32,092 GALLONS

5. TANK DIMENSIONS: DIAMETER ______ HEIGHT 9'5" LENGTH 40'0" WIDTH 11'10"

6. TANK SHAPE: CYLINDRICAL ☐ SPHERICAL ☐ OTHER SHAPE ☒ DESCRIBE RECTANGULAR

7. TANK MATERIALS OF CONSTRUCTION: STEEL ☒ WOOD ☐ OTHER ☐ SPECIFY ______

8. TANK PAINT: CHALKING WHITE ☐ LIGHT GREY ~~OR BLUE~~ ☒ ALUMINUM ☐ DARK COLOR OR NO PAINT ☐

9. TANK CONDITION: GOOD ☐ FAIR ☒ POOR ☐

10. TANK STATUS: NEW CONSTRUCTION ☐ ALTERATION ☐ Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF ☒ PRESSURE ☐ INTERNALLY HEATED ☐ UNDERGROUND ☐ FLOATING ROOF ☐ OPEN TOP ☐ INSULATED ☐ OTHER ☐

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK ☐ PONTOON ☐ OTHER ☐ DESCRIBE ______
    - TYPE OF SEAL: SINGLE ☐ DOUBLE ☐ OTHER ☐ DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED ☐ WELDED ☐ OTHER ☐ DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION	1	1.0 PSI	0.5 PSI	X		
PRESSURE						
VACUUM						
OPEN						

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water, Hydrocarbons
    DENSITY: ______ LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
    MINIMUM TEMPERATURE ______ °F MAXIMUM TEMPERATURE ______ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ______ LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT ______ °F
    INITIAL BOILING POINT: ______ °F
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) 3300 GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 5 FT
    AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: 2

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ______
    PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-8 Gasoline Storage Tank

4. TANK CAPACITY: ______ BARRELS   GALLONS 3,117

5. TANK DIMENSIONS: DIAMETER 5'4"   HEIGHT ______   LENGTH 18'4"   WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X]   SPHERICAL [ ]   OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X]   WOOD [ ]   OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ]   LIGHT GREY OR ~~XXXXX~~ [X]   ALUMINUM [ ]   DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ]   FAIR [X]   POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ]   ALTERATION [ ]   Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X]   PRESSURE [ ]   INTERNALLY HEATED [ ]   UNDERGROUND [ ]   FLOATING ROOF [ ]   OPEN TOP [ ]   INSULATED [ ]   OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ]   PONTOON [ ]   OTHER [ ] DESCRIBE ______
    - TYPE OF SEAL: SINGLE [ ]   DOUBLE [ ]   OTHER [ ] DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ]   WELDED [ ]   OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	Number	Pressure Setting	Vacuum Setting	Discharging to: (Check) Atmosphere	Vapor Control	Flare
Combination						
Pressure						
Vacuum						
Open	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Gasoline   DENSITY: ______ LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ______ °F   MAXIMUM TEMPERATURE ______ °F   Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: 10.0 LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT 90 °F
    - INITIAL BOILING POINT: ______ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) 3300 GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 3 FT
    - AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: 4

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    - CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ______
    - PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

FORM PI-2 (72-9)

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-9 Gasoline Storage Tank

4. TANK CAPACITY: BARRELS ____ GALLONS 4,771

5. TANK DIMENSIONS: DIAMETER 6'9" HEIGHT ____ LENGTH 17'8" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~XXXXX~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
   - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
   - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
   - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Gasoline DENSITY: ____ LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
   - VAPOR PRESSURE: 10.0 LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT 90 °F
   - INITIAL BOILING POINT: ____ °F
   - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
   - MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) 3300 GALLONS PER HOUR
   - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 3 FT
   - AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
   - TANK TURNOVERS PER YEAR: 2

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
   - NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
   - CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
   - IDENTIFY THE MATERIAL: ____
   - PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-10 Product Storage Tank

4. TANK CAPACITY: ______ BARRELS ______ GALLONS 5,520

5. TANK DIMENSIONS: DIAMETER 5'3" HEIGHT ______ LENGTH 34'6" WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~XXXXXX~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Hydrocarbons, Chemicals DENSITY: ______ LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ______ °F MAXIMUM TEMPERATURE ______ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ______ LBS. REID (OR) 2.7 LBS. PER SQ. IN. ABSOLUTE AT 90 °F
    INITIAL BOILING POINT: ______ °F Methylethyl Ketone
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) 55 GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 4 FT
    AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: 5

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ______
    PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-11 Product Storage Tank

4. TANK CAPACITY: BARRELS ____ GALLONS 5,933

5. TANK DIMENSIONS: DIAMETER 5'5" HEIGHT ____ LENGTH 33'4" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~XXXXX~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
 - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
 - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
 - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Hydrocarbons, Chemicals DENSITY: ____ LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
 - VAPOR PRESSURE: ____ LBS. REID (OR) 2.7 LBS. PER SQ. IN. ABSOLUTE AT 90 °F Ambient
 - INITIAL BOILING POINT: ____ °F Methylethyl Ketone
 - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
 - MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) 55 GALLONS PER HOUR
 - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ____ FT
 - AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
 - TANK TURNOVERS PER YEAR: 5

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
 - NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
 - CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
 - IDENTIFY THE MATERIAL: ____
 - PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-12 Product Storage Tank

4. TANK CAPACITY: BARRELS ____ GALLONS 5,845

5. TANK DIMENSIONS: DIAMETER 5'3" HEIGHT ____ LENGTH 36'1" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~OR BLUE~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [ ] FAIR [X] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [ ] ALTERATION [ ] Existing

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Hydrocarbons, Chemicals
    DENSITY: ____ LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
    MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ____ LBS. REID (OR) 2.7 LBS. PER SQ. IN. ABSOLUTE AT 90 °F
    INITIAL BOILING POINT: ____ °F Methylethyl Ketone
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) 55 GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ____ FT
    AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: 5

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ____
    PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-13 Wash Water Vacuum Tank

4. TANK CAPACITY: BARRELS ____ GALLONS 900

5. TANK DIMENSIONS: DIAMETER 3'0" HEIGHT ____ LENGTH 17'0" WIDTH ____

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ____

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~XXXXX~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [X] FAIR [ ] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [X] ALTERATION [ ]

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [X] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

None

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN						

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water DENSITY: 8.34 LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: ____ LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT ____ °F
    - INITIAL BOILING POINT: ____ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) ____ GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ____ FT
    - AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: ____

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    - CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ____
    - PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-14 Wash Water Vacuum Tank

4. TANK CAPACITY: BARRELS ______ GALLONS 6000

5. TANK DIMENSIONS: DIAMETER 7'0" HEIGHT ______ LENGTH 20'0" WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~OR BLUE~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [X] FAIR [ ] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [X] ALTERATION [ ]

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [ ] PRESSURE [X] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

None

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN						

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water DENSITY: 8.34 LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: ______ LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT ______ °F
    - INITIAL BOILING POINT: ______ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) ______ GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) ______ FT
    - AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: ______

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    - CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ______
    - PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-15 Slop Oil Tank

4. TANK CAPACITY: 150 BARRELS ______ GALLONS

5. TANK DIMENSIONS: DIAMETER 12'0" HEIGHT 8'0" LENGTH ______ WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY XXXXX [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [X] FAIR [ ] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [X] ALTERATION [ ]

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [X] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [ ] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	Number	Pressure Setting	Vacuum Setting	Discharging to: (Check) Atmosphere	Vapor Control	Flare
Combination						
Pressure						
Vacuum						
Open	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Hydrocarbons
    DENSITY: ______ LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
    MINIMUM TEMPERATURE ______ °F MAXIMUM TEMPERATURE ______ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ______ LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT ______ °F
    INITIAL BOILING POINT: ______ °F
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) ______ GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 4 FT
    AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: 52

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ______
    PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

FORM PI-2 (72-9)

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.
2. TANK LOCATION: FREEPORT, TEXAS
3. TANK IDENTIFICATION (NUMBER OR NAME): T-16 1000 BBL Wash Water Tank
4. TANK CAPACITY: 1000 BARRELS ______ GALLONS
5. TANK DIMENSIONS: DIAMETER 21'6" HEIGHT 16'0" LENGTH ______ WIDTH ______
6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______
7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______
8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY ~~OR BLUE~~ [X] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]
9. TANK CONDITION: GOOD [X] FAIR [ ] POOR [ ]
10. TANK STATUS: NEW CONSTRUCTION [X] ALTERATION [ ]
11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF [ ] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ] FLOATING ROOF [ ] OPEN TOP [X] INSULATED [ ] OTHER [ ]
12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
    - TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______
13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:
14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water DENSITY: 8.34 LBS/GAL. (OR) ______ °A.P.I.
16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ______ °F MAXIMUM TEMPERATURE ______ °F AMBIENT
17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: ______ LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT ______ °F
    - INITIAL BOILING POINT: ______ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F
18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) 800 GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 8 FT
    - AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: ______
19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
    - CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON
20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ______
    - PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-17 1000 BBL Wash Water Tank

4. TANK CAPACITY: 1000 BARRELS ______ GALLONS

5. TANK DIMENSIONS: DIAMETER 21'6" HEIGHT 16'0" LENGTH ______ WIDTH ______

6. TANK SHAPE: CYLINDRICAL [X] SPHERICAL [ ] OTHER SHAPE [ ] DESCRIBE ______

7. TANK MATERIALS OF CONSTRUCTION: STEEL [X] WOOD [ ] OTHER [ ] SPECIFY ______

8. TANK PAINT: CHALKING WHITE [ ] LIGHT GREY XXXXXX [XX] ALUMINUM [ ] DARK COLOR OR NO PAINT [ ]

9. TANK CONDITION: GOOD [X] FAIR [ ] POOR [ ]

10. TANK STATUS: NEW CONSTRUCTION [X] ALTERATION [ ]

11. TYPE OF TANK: (CHECK ALL APPLICABLE)
FIXED ROOF [ ] PRESSURE [ ] INTERNALLY HEATED [ ] UNDERGROUND [ ]
FLOATING ROOF [ ] OPEN TOP [X] INSULATED [ ] OTHER [ ]

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
TYPE OF ROOF: DOUBLE DECK [ ] PONTOON [ ] OTHER [ ] DESCRIBE ______
TYPE OF SEAL: SINGLE [ ] DOUBLE [ ] OTHER [ ] DESCRIBE ______
TYPE OF SHELL CONSTRUCTION: RIVETED [ ] WELDED [ ] OTHER [ ] DESCRIBE ______

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK:
Water DENSITY: 8.34 LBS/GAL. (OR) ______ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK:
MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F AMBIENT

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
VAPOR PRESSURE: ______ LBS. REID (OR) ______ LBS. PER SQ. IN. ABSOLUTE AT ______ °F
INITIAL BOILING POINT: ______ °F
FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ______ °F

18. OPERATIONAL DATA:
MAXIMUM FILLING RATE: ______ BARRELS PER HOUR (OR) 800 GALLONS PER HOUR
AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 8 FT
AVERAGE THROUGHPUT: ______ BARRELS PER DAY (OR) ______ GALLONS PER DAY
TANK TURNOVERS PER YEAR: ______

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
NAME OF SOLVENT: ______ NAME OF MATERIAL DISSOLVED: ______
CONCENTRATION OF MATERIAL DISSOLVED: ______ % BY WEIGHT (OR) ______ % BY VOLUME (OR ______ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
IDENTIFY THE MATERIAL: ______
PRESSURE AT WHICH MATERIAL IS STORED: ______ LBS. PER SQ. IN. GAGE AT ______ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC.

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): T-18 5000 BBL Wash Water Tank

4. TANK CAPACITY: 5000 BARRELS ____ GALLONS

5. TANK DIMENSIONS: DIAMETER 38'7" HEIGHT 24'0" LENGTH ____ WIDTH ____

6. TANK SHAPE: CYLINDRICAL ☒ SPHERICAL ☐ OTHER SHAPE ☐ DESCRIBE ____

7. TANK MATERIALS OF CONSTRUCTION: STEEL ☒ WOOD ☐ OTHER ☐ SPECIFY ____

8. TANK PAINT: CHALKING WHITE ☐ LIGHT GREY ~~OR BLUE~~ ☒ ALUMINUM ☐ DARK COLOR OR NO PAINT ☐

9. TANK CONDITION: GOOD ☒ FAIR ☐ POOR ☐

10. TANK STATUS: NEW CONSTRUCTION ☒ ALTERATION ☐

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF ☐ PRESSURE ☐ INTERNALLY HEATED ☐ UNDERGROUND ☐ FLOATING ROOF ☐ OPEN TOP ☒ INSULATED ☐ OTHER ☐

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK ☐ PONTOON ☐ OTHER ☐ DESCRIBE ____
    - TYPE OF SEAL: SINGLE ☐ DOUBLE ☐ OTHER ☐ DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED ☐ WELDED ☐ OTHER ☐ DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Water DENSITY: 8.34 LBS/GAL. (OR) ____ °A.P.I.

16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F AMBIENT

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    VAPOR PRESSURE: ____ LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT ____ °F
    INITIAL BOILING POINT: ____ °F
    FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) 800 GALLONS PER HOUR
    AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 12 FT
    AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    TANK TURNOVERS PER YEAR: ____

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    IDENTIFY THE MATERIAL: ____
    PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F

TABLE 7

STORAGE TANK SUMMARY

Three copies of this form must be submitted for each storage tank.

1. BUSINESS LICENSE NAME OF CORPORATION, COMPANY, INDIVIDUAL OWNER OR GOVERNMENTAL AGENCY UNDER WHICH APPLICATION IS SUBMITTED: FISH ENGINEERING & CONSTRUCTION, INC

2. TANK LOCATION: FREEPORT, TEXAS

3. TANK IDENTIFICATION (NUMBER OR NAME): Oil/Water Separator

4. TANK CAPACITY: BARRELS 3840 GALLONS

5. TANK DIMENSIONS: DIAMETER 9'6" HEIGHT 8'0" LENGTH 8'0" WIDTH ____

6. TANK SHAPE: CYLINDRICAL ☐ SPHERICAL ☐ OTHER SHAPE ☒ DESCRIBE RECTANGULAR

7. TANK MATERIALS OF CONSTRUCTION: STEEL ☒ WOOD ☐ OTHER ☐ SPECIFY ____

8. TANK PAINT: CHALKING WHITE ☐ LIGHT GREY ☒ ALUMINUM ☐ DARK COLOR OR NO PAINT ☐

9. TANK CONDITION: GOOD ☒ FAIR ☐ POOR ☐

10. TANK STATUS: NEW CONSTRUCTION ☒ ALTERATION ☐

11. TYPE OF TANK: (CHECK ALL APPLICABLE) FIXED ROOF ☒ PRESSURE ☐ INTERNALLY HEATED ☐ UNDERGROUND ☐ FLOATING ROOF ☐ OPEN TOP ☐ INSULATED ☐ OTHER ☐

12. IF TANK IS TO HAVE A FLOATING ROOF, SUPPLY THE FOLLOWING INFORMATION:
    - TYPE OF ROOF: DOUBLE DECK ☐ PONTOON ☐ OTHER ☐ DESCRIBE ____
    - TYPE OF SEAL: SINGLE ☐ DOUBLE ☐ OTHER ☐ DESCRIBE ____
    - TYPE OF SHELL CONSTRUCTION: RIVETED ☐ WELDED ☐ OTHER ☐ DESCRIBE ____

13. IF TANK IS TO HAVE ANY OTHER TYPE OF ROOF OR COVER (OR NONE AT ALL), DESCRIBE:

14. VENT VALVE DATA: INDICATE TYPE, NUMBER, SETTINGS AND VAPOR DISPOSAL:

	NUMBER	PRESSURE SETTING	VACUUM SETTING	DISCHARGING TO: (CHECK) ATMOSPHERE	VAPOR CONTROL	FLARE
COMBINATION						
PRESSURE						
VACUUM						
OPEN	1			X		

15. NAME ALL LIQUIDS, VAPORS, GASES OR MIXTURES OF SUCH MATERIALS TO BE STORED IN THIS TANK: Hydrocarbons DENSITY: ____ LBS/GAL. (OR) ____ °A.P.I.

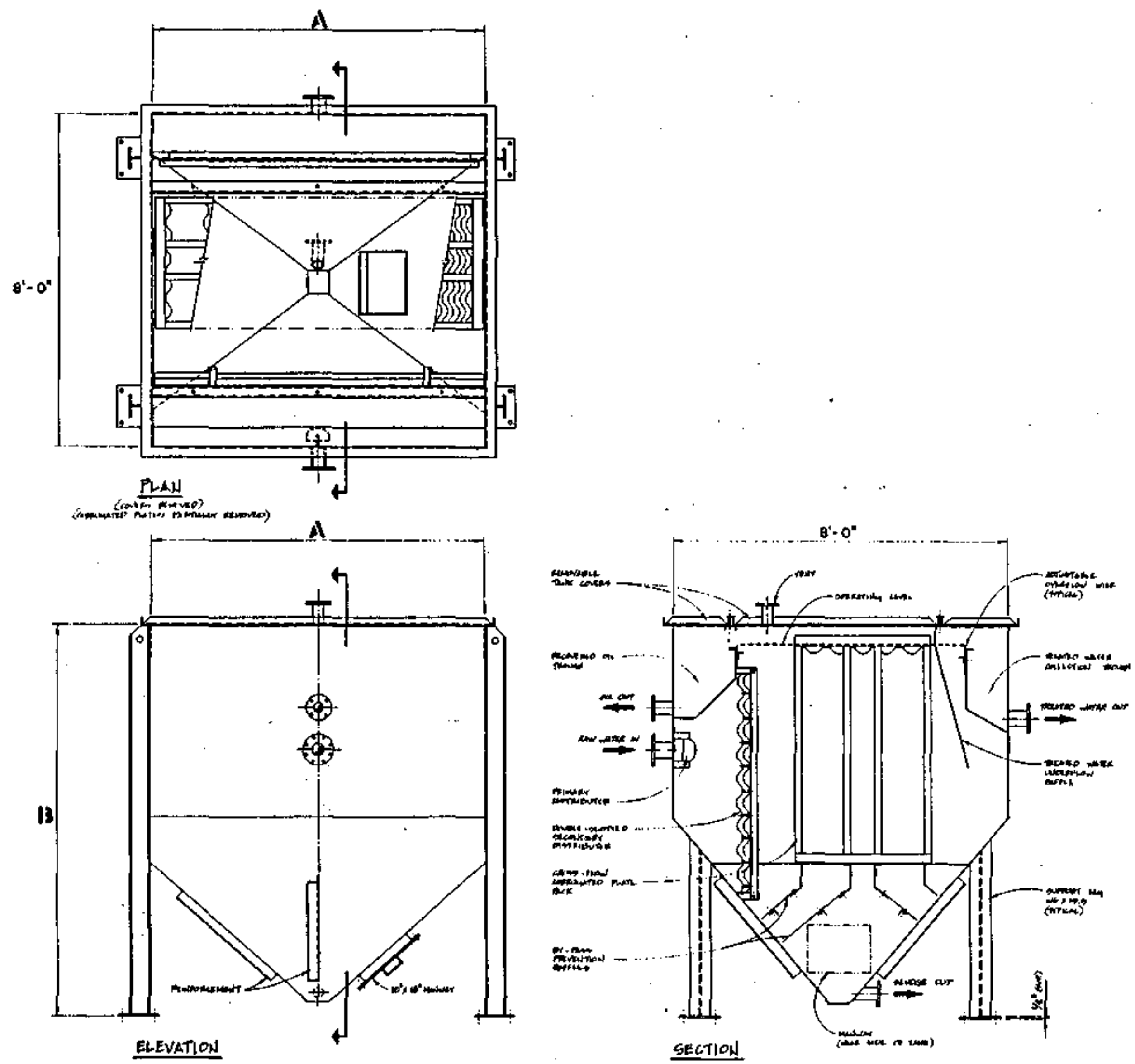
16. TEMPERATURES AT WHICH THE ABOVE LISTED MATERIALS ARE TO BE STORED IN THIS TANK: MINIMUM TEMPERATURE ____ °F MAXIMUM TEMPERATURE ____ °F Ambient

17. IF MATERIAL STORED IS A PETROLEUM PRODUCT OR ANY OTHER TYPE OF ORGANIC MATERIAL, SUPPLY THE FOLLOWING INFORMATION FOR EACH MATERIAL: (ATTACH ADDITIONAL SHEETS, IF NECESSARY).
    - VAPOR PRESSURE: ____ LBS. REID (OR) ____ LBS. PER SQ. IN. ABSOLUTE AT ____ °F
    - INITIAL BOILING POINT: ____ °F
    - FOR HEAVY PETROLEUM PRODUCTS ONLY: FLASH POINT: ____ °F

18. OPERATIONAL DATA:
    - MAXIMUM FILLING RATE: ____ BARRELS PER HOUR (OR) 800 GALLONS PER HOUR
    - AVERAGE OUTAGE: (AVERAGE DISTANCE FROM TOP OF TANK SHELL TO LIQUID SURFACE) 1.0 FT
    - AVERAGE THROUGHPUT: ____ BARRELS PER DAY (OR) ____ GALLONS PER DAY
    - TANK TURNOVERS PER YEAR: Tank operates at constant level

19. IF MATERIAL STORED IS A SOLUTION, SUPPLY THE FOLLOWING INFORMATION:
    - NAME OF SOLVENT: ____ NAME OF MATERIAL DISSOLVED: ____
    - CONCENTRATION OF MATERIAL DISSOLVED: ____ % BY WEIGHT (OR) ____ % BY VOLUME (OR ____ LBS./GALLON

20. IF MATERIAL STORED IS A GAS OR A LIQUIFIED GAS WHICH IS NOT A PETROLEUM PRODUCT, SUPPLY THE FOLLOWING INFORMATION:
    - IDENTIFY THE MATERIAL: ____
    - PRESSURE AT WHICH MATERIAL IS STORED: ____ LBS. PER SQ. IN. GAGE AT ____ °F



MODEL NUMBER	DIMENSIONS A	DIMENSIONS B
CFS - 550 AG	4'-0"	9'-6"
CFS - 1000 AG	6'-2"	9'-6"
CFS - 1350 AG	8'-0"	9'-6"
CFS - 1700 AG	10'-0"	10'-6"
CFS - 2120 AG	10'-0"	11'-9"

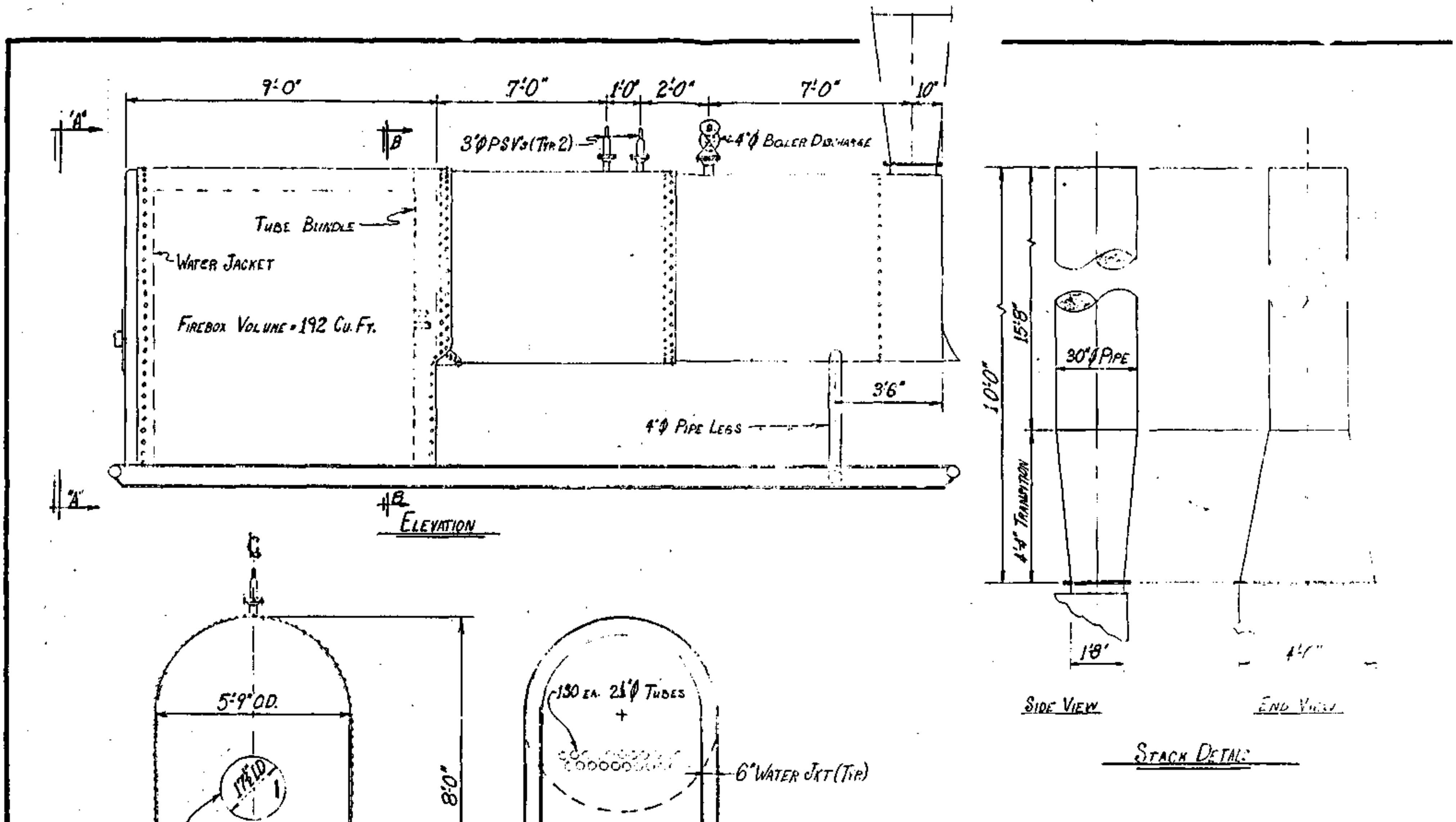
GENERAL NOTES :

CERTIFIED

THE PIELKENROAD SEPARATOR COMPANY

CROSS-FLOW CORRUGATED PLATE OIL / SEDIMENT / WATER GRAVITY SEPARATOR

6-19-79 | NONE | [illegible] S.A.



FISH ENGINEERING & CONSTRUCTION, INC.
HOUSTON, TEXAS

CUSTOMER			
TITLE	Boiler No. 1 ~ Elevation, Sections & Detail		
DRW.	CHK.	DATE 11-3-61	JOB No.
APP.		SCALE ⅜" = 1'-0"	DWG. No.

No.	REVISIONS	APP.	DATE
0	Existing		1/4/61

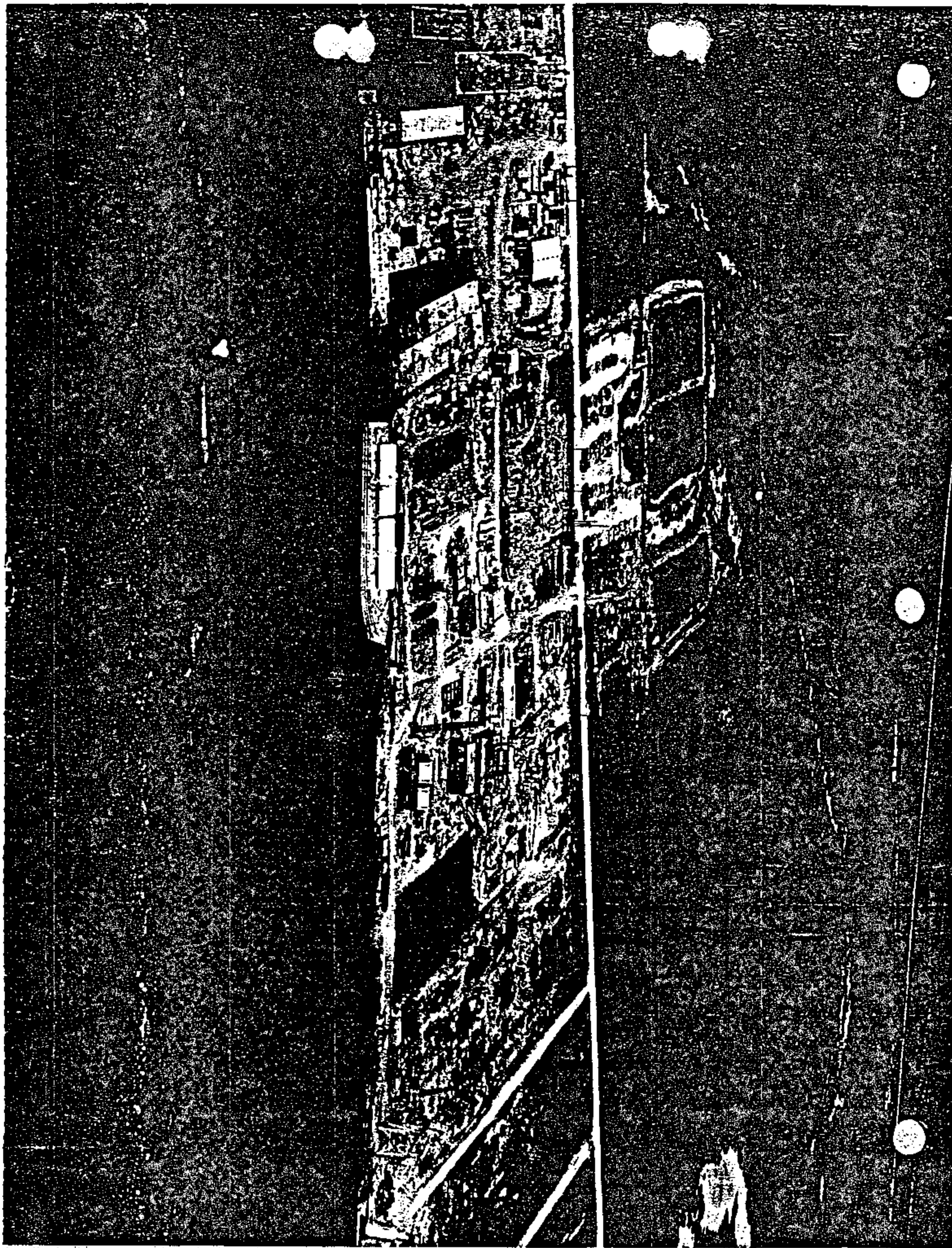
EXHIBIT II

INDEX

1. Topographical map (scale: 1:24,000 or approximately 2½ inches per mile) showing the isolated location of the Fish Freeport Marine Facility.

2. Photocopy of a photograph of the Marine Facility, depicting the Intracoastal Waterway in the foreground and Oyster Creek in the far distance.

3. Fish Freeport Marine Facility Plot Plan Sketch.



000229

RECEIVED

JAN 11 1982

REGION 7
TEXAS AIR CONTROL BOARD

F

CONFERENCE SUMMARY

Date: 1/6/82 Time: 130 Location: ZEO

Person Conducting Meeting: FISH ENGR RICHARD WHITEHEAD

Subject: BARGE REPAIR FACILITY - FREEPORT - PREPERMIT

Summary: SECOND PREPERMIT MTG ON FACILITY TO BE ADDED TO FISH CONSTRUCTION SITE NEAR FREEPORT. SHORESIDE EMISSIONS WILL BE LESS THAN 25 TPY AND MAY BE EXEMPTABLE. BARGE CLEANING EMISSIONS OF NON-TOXIC, NON-ODOROUS MAT'LS MAY BE SUBJECT TO MARINE POLICY. TWO-THIRDS OF EXPECTED BARGES WILL BE FOR NON-TOX/NON-ODOR MAT'LS. OTHER THIRD MAY BE SUBJECT TO REGULATION VI BACT REVIEW.

Required Action: NONE - APPLICATION FORTHCOMING

Copies To: AEB/LAR/JCM/REGION 7

TACB-82

T&E 000230

-5/1

C O N F E R E N C E   S U M M A R Y

Date: 10/21/81 Time: 10:00 Location: Rm 202

- -

Person Conducting Meeting: Sam Crowther

- -

Subject: Fish Engineering Proposed Barge Cleaning Facility Freeport, Brazoria County

- -

Summary: Fish Engr. discussed with us the requirements of Reg VI for the proposed expansion of their barge cleaning facility near Freeport. Most of the construction pertains to wastewater treatment facilities. We supplied information and documents as needed for them to complete an application for permit or exemption.

- -

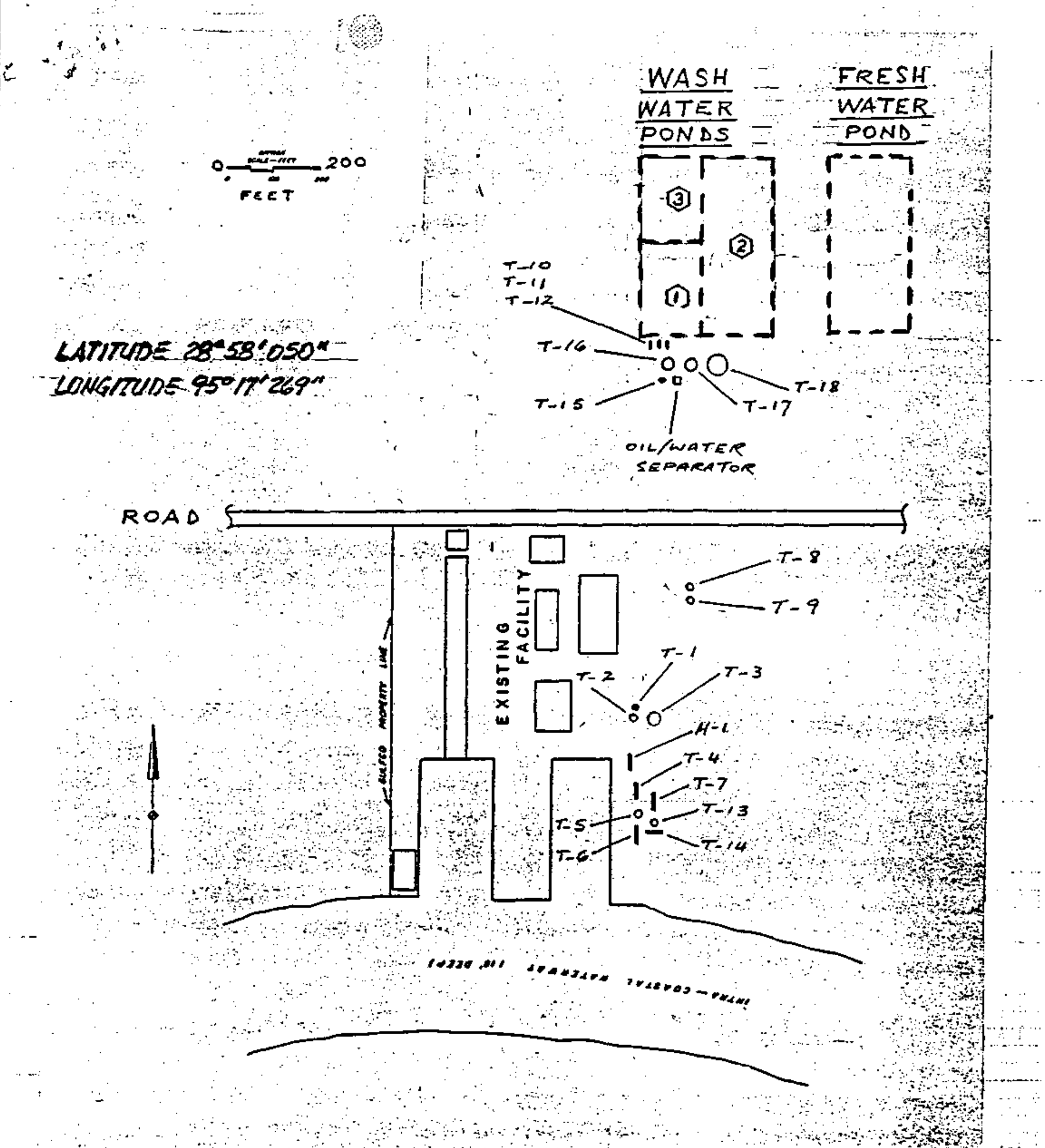
Required Action: Fish to submit application.

- -

LPR Copies To: LRR, JCM, Region 7

TACB-82

T&E 000231



No.	REVISIONS	APP.	DATE

FISH ENGINEERING & CONSTRUCTION, INC.
HOUSTON, TEXAS

FISH FREEPORT MARINE FACILITY
SKETCH PLOT PLAN

DRW. ______ CHK. ______ DATE ______ JOB No. 2000
APP. ______ SCALE ______ DWG. No.

T&E 000232

RECEIVED

MAY 21 1982

REGION 7

TEXAS AIR CONTROL BOARD

REQUEST FOR COMMENTS

PERMITS SECTION

DATE 5/18/82

FROM: Amba Mann

TO: ☒ REGION 7 ☐ CITY ☐ COUNTY ☐ AREA ☒ COMPLIANCE ☒ LEGAL

☐ CONFIDENTIAL INFORMATION ATTACHED

PERMIT APPLICATION NO. C-

PERMIT EXEMPTION NO. X-3561

Applicant indicates copy of application was sent direct to: ☒ Region ☐ City ☐ County

1. COMPANY: FISH ENGINEERING & CONSTRUCTION, INC.
2. FACILITY LOCATION: FREEPORT, BRAZORIA COUNTY
3. LATITUDE: 28° 58' 05" LONGITUDE: 095° 17' 26.9" COMPANY I.D. NO: ADD
4. PERMIT UNIT NAME: BARGE CLEANING FACILITY UNIT I.D.:
5. PREVIOUS RELATED PERMITS/EXEMPTIONS:
6. ☐ - NEW SOURCE ☒ - MODIFICATION ☐ - NSPS ☐ - NESHAPS ☐ - PORTABLE ☐ - PSD
   ☐ - PERMIT AMENDMENT ☐ - PERMIT REVISION OR CHANGE
   DATE: ______ for ☐ - PROPOSED START OF CONSTRUCTION. ☐ - CONSTRUCTION STARTED.
   ☐ - FACILITY BUILT AND OPERATING ☐ - AS SOON AS PERMIT IS ISSUED.
7. NAME AND RATE OF AIR CONTAMINANTS: OPER SCHED: ___ H/D: ___ D/W: ___ W/Y: ✓ CONTINUOUS - SEE BARGE SCHEDULE EXCEPT FOR HEATER

Air Contaminant	Permit Max. Allow. Rate	M*	Actual Rate	Previous Rate	Comments:
VOC	17.4 T/YR	AD+EF	← application Data + Emission Factor		AD + EF
*SO2	12.1 T/YR	"			
*NOX	1.88 T/YR	"			

M* - Method of Calculation or source of information for Permit Maximum Allowable Rate -
EF - Emission Factors; AD - Application Data; SP - Similar Permit Data;
EPA - EPA Documents; EST - Estimate; TD - Test Data or other:
( ) Explain

8. METHOD OF AIR POLLUTION CONTROL: ☐ - NONE ☒ - BACT (Standard) ☐ - BACT (transferred)
   ☐ - PROCESS CONTROL ☐ - ABATEMENT EQUIPMENT: BACT ON HEATER (DIESEL) OF 0.16 # NOX / 10⁶ BTU HEAT INPUT.

9. ENGR. COMMENTS/TECHNICAL REVIEW/RECOMMENDATION: ☐ ISSUE ☒ EXEMPTION ☐ DENY
   EMISSIONS ARE INSIGNIFICANT

10. PROPOSED SPECIAL PROVISIONS (Other than General Provisions and Maximum Allowables):
    * WATER HEATER WILL BE LIMITED TO FIRING NO MORE THAN 147 HRS W/RECORDS OF OPERATION TO VERIFY (ANNUAL FIRING PERIOD)
    RECORDS ON BARGES CLEANED AND MATERIALS EMITTED.

REQUESTED COMMENTS: (Please return your comments promptly.) ☐ RUSH

SITE OR LOCATION:
☐ SATISFACTORY
☐ QUESTIONABLE
☐ UNSATISFACTORY

☐ SEE SIS DATED
☒ NO OBJECTIONS.
☐ COMMENTS

T&E 000233